

Navin Gyawali

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EDUCATION

Kathmandu University

Bachelor Technology in Artificial Intelligence ; CGPA : ~ 3.75

Dhulikhel, Nepal

Dec 2021 - Dec 2025

Manimukunda College

+2 Science ;GPA : 3.2

Butwal, Nepal

Oct 2018 - Feb 2021

Prabhat English Boarding School

LKG - SEE(10);GPA : 3.7

Murgiyal, Nepal

2006 - Sep 2018

SKILLS SUMMARY

- **Languages:** Python, SQL
 - **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, Tensorflow
 - **Tools:** Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite
 - **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
 - **Soft Skills:** Report Building, Strong Stakeholder management, People Management, Excellent communication
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WORK EXPERIENCE

Machine Learning Intern | Prodigy Info Tech | [Link](#)

1st December 2023 - 1st January 2024

- Acquired and applied skills in data analysis, encompassing data cleaning, descriptive statistics, and exploratory data analysis (EDA).
 - Developed proficiency in creating data visualizations to communicate insights effectively.
 - Gained hands-on experience with machine learning tasks, specifically focusing on regression and clustering techniques.
 - Successfully completed a one-month internship, contributing to professional growth and enhancing capabilities for the workspace.
 - Demonstrated ability to quickly learn and apply new technical skills in a professional environment.
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PROJECTS

GyanPath | The chatbot as a guide to knowledge from the Bhagavad Gita. | [Link](#)

December 2024 - January 2025

- Developed a RAG-based Q&A system using LangChain and Google Generative AI to deliver accurate, context-aware answers from the Bhagavad Gita.
- Processed and embedded textual data (via PyPDFLoader) and optimized retrieval mechanisms for precise knowledge integration.
- Built a Gradio Interface to enable intuitive, natural language interactions, making the Bhagavad Gita's teachings accessible to users.

AI-Enabled Animal Detection for Social Security and Livelihood | YOLO | [Link](#)

March 23 - July 2023

- Fine-tuned YOLOv8 on a custom animal dataset (elephants, cows, buffaloes, etc.) using transfer learning, achieving high detection accuracy for social security applications.
- Processed annotated YOLO-format data and leveraged PyTorch/Ultralytics frameworks to optimize model performance and training efficiency.

C-ART | Converts the Image into a Cartoonize form | [Link](#)

August 2022 - November 2022

- Built an Encoder-Decoder CNN model in TensorFlow to automatically transform real images into stylized cartoons, trained on 10,000+ image pairs from the Comic Faces dataset.
- Achieved high-quality artistic transformations with smooth edges and reduced color depth, demonstrating effective feature extraction and image generation.

- Developed a Python-based web scraper using BeautifulSoup to extract real-time vegetable price data from Kalimati Tarkari Bazar, Nepal, and performed exploratory data analysis (EDA) to uncover trends and patterns.
 - Analyzed and visualized price fluctuations using Pandas, Matplotlib, and Seaborn, generating actionable insights for market trends on specific dates (e.g., March 09).
 - Automated data collection and processing, ensuring structured datasets for further analysis and potential applications in agriculture or price forecasting.
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CERTIFICATES

- Learned advanced techniques in election data analysis, including statistical modeling, trend interpretation, and visualization for actionable insights.
- Mastered data collection, cleaning, and validation processes to ensure accuracy and reliability in election-related datasets.

- Gained hands-on experience in Figma, mastering UI/UX design principles to create intuitive and visually engaging interfaces.
- Learned essential design workflows**, including prototyping, collaboration tools, and responsive design techniques for seamless user experiences.

- Mastered version control fundamentals including repository management, branching strategies, and merge conflict resolution using Git.
 - Gained hands-on experience with GitHub, learning collaborative workflows like pull requests, code reviews, and project management tools.
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VOLUNTEERING

- Organized & facilitated AI workshops by guiding participants through fundamental concepts, machine learning models, and practical applications to enhance technical understanding
- Coordinated event logistics to ensure smooth workshop execution while helping students overcome technical challenges during practical exercises

- Facilitated event logistics and networking sessions, connecting AI professionals and enthusiasts.
- Gained insights into industry trends and innovations while supporting a collaborative tech community.

- Incredible experience exploring how AI can connect academia, industry, and government to drive meaningful societal impact.